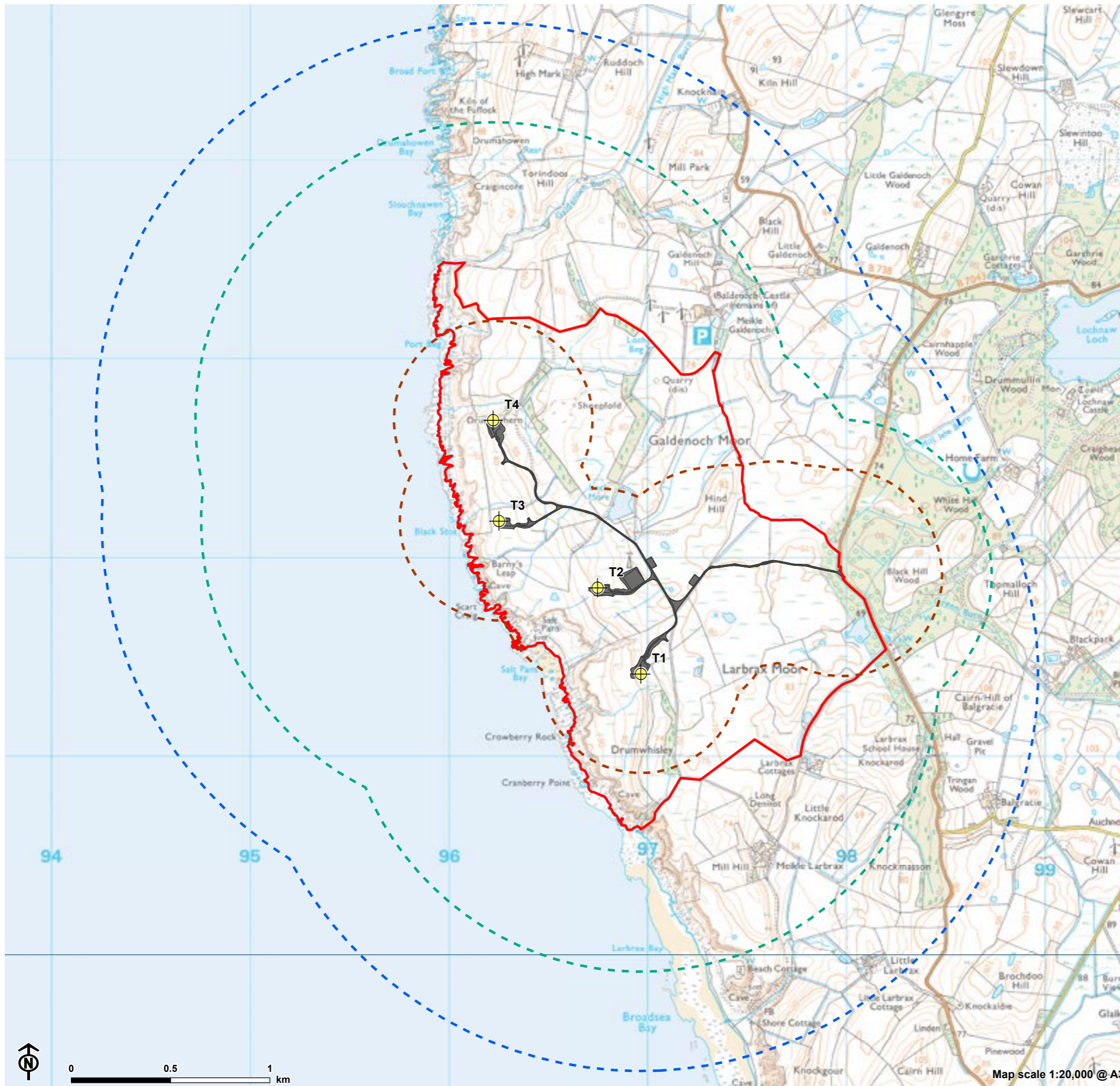


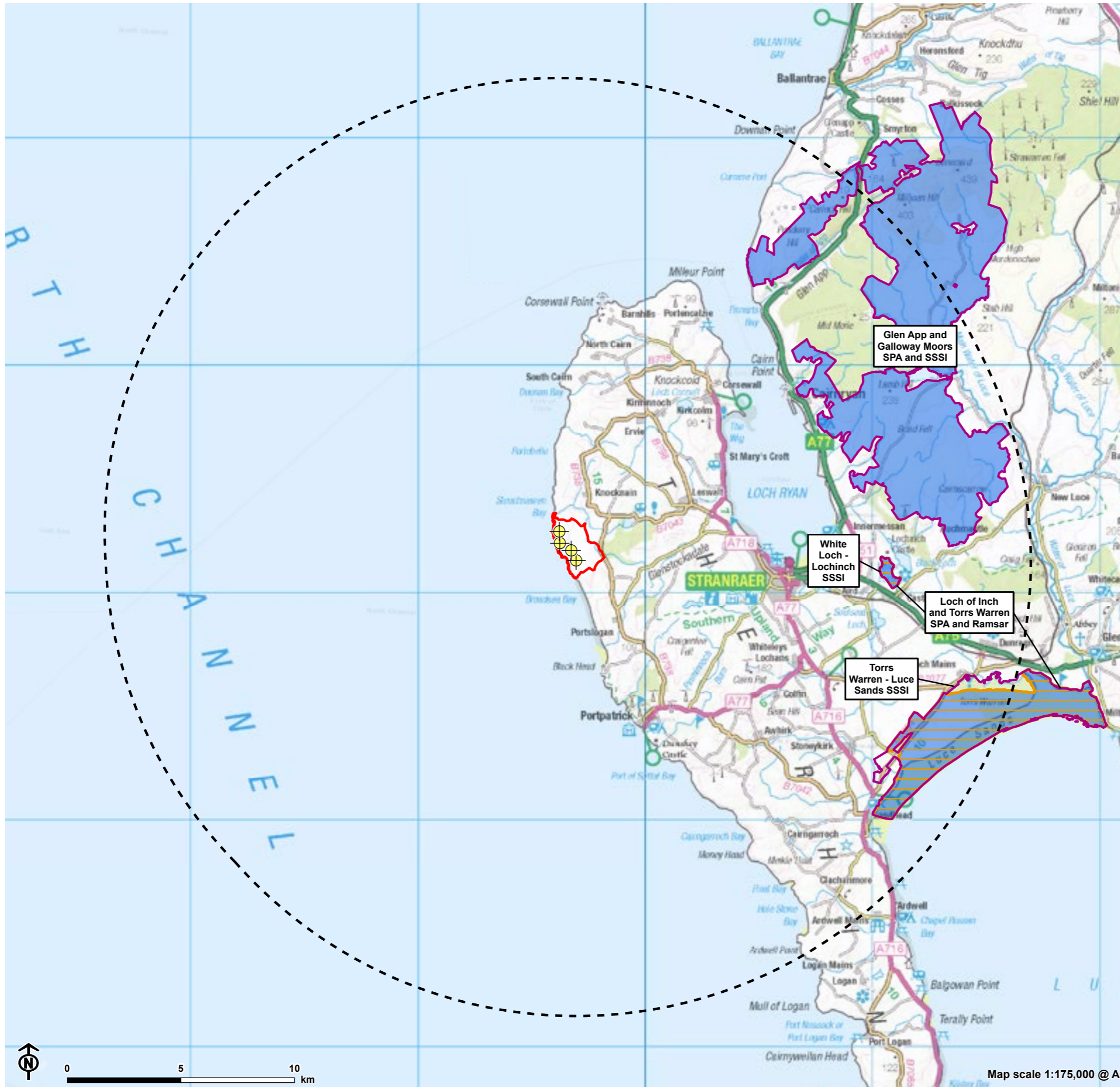
Figure 8.1: Site Boundary and Study Areas



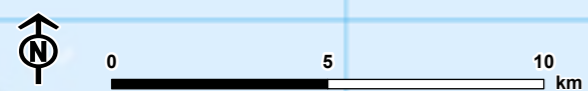
- Site Boundary
- Turbine
- Infrastructure
- Study Areas**
- Breeding waders/wintering bird
- Black grouse
- Scarce breeding bird

Map scale 1:20,000 @ A3

Figure 8.2: Ornithological Designated Sites within 20 km

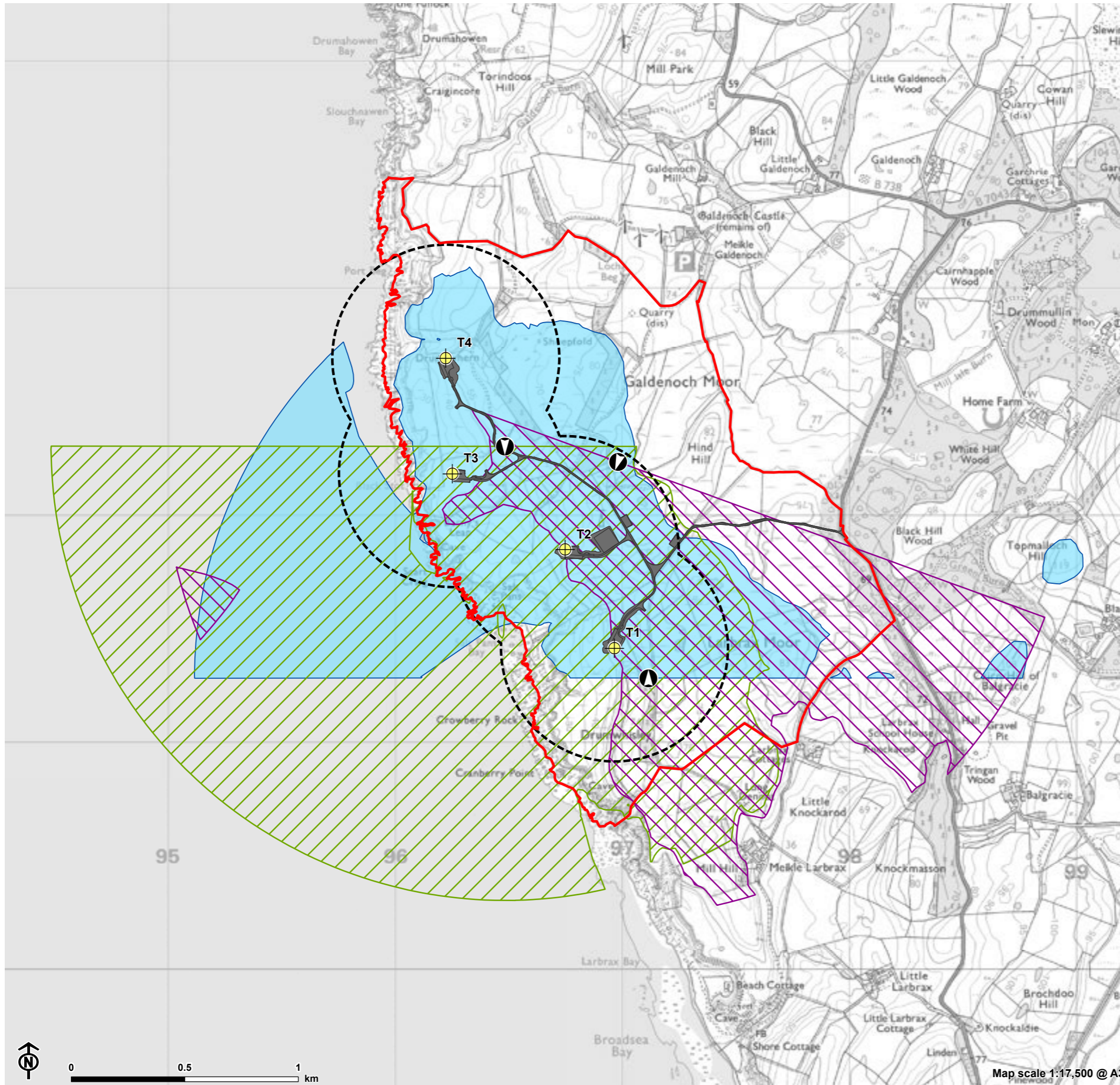


- Site Boundary
- Turbine
- Designated Site Study Area (20 km)
- Designated Sites**
- Special Protection Areas (SPA)
- Sites of Special Scientific Interest (SSSI)
- Ramsar Site

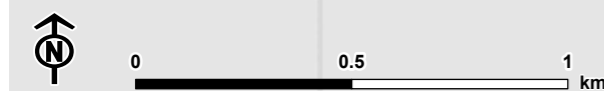


Map scale 1:175,000 @ A3

Figure 8.3: Vantage Points and Viewsheds: 2012/2013 Non-Breeding Season

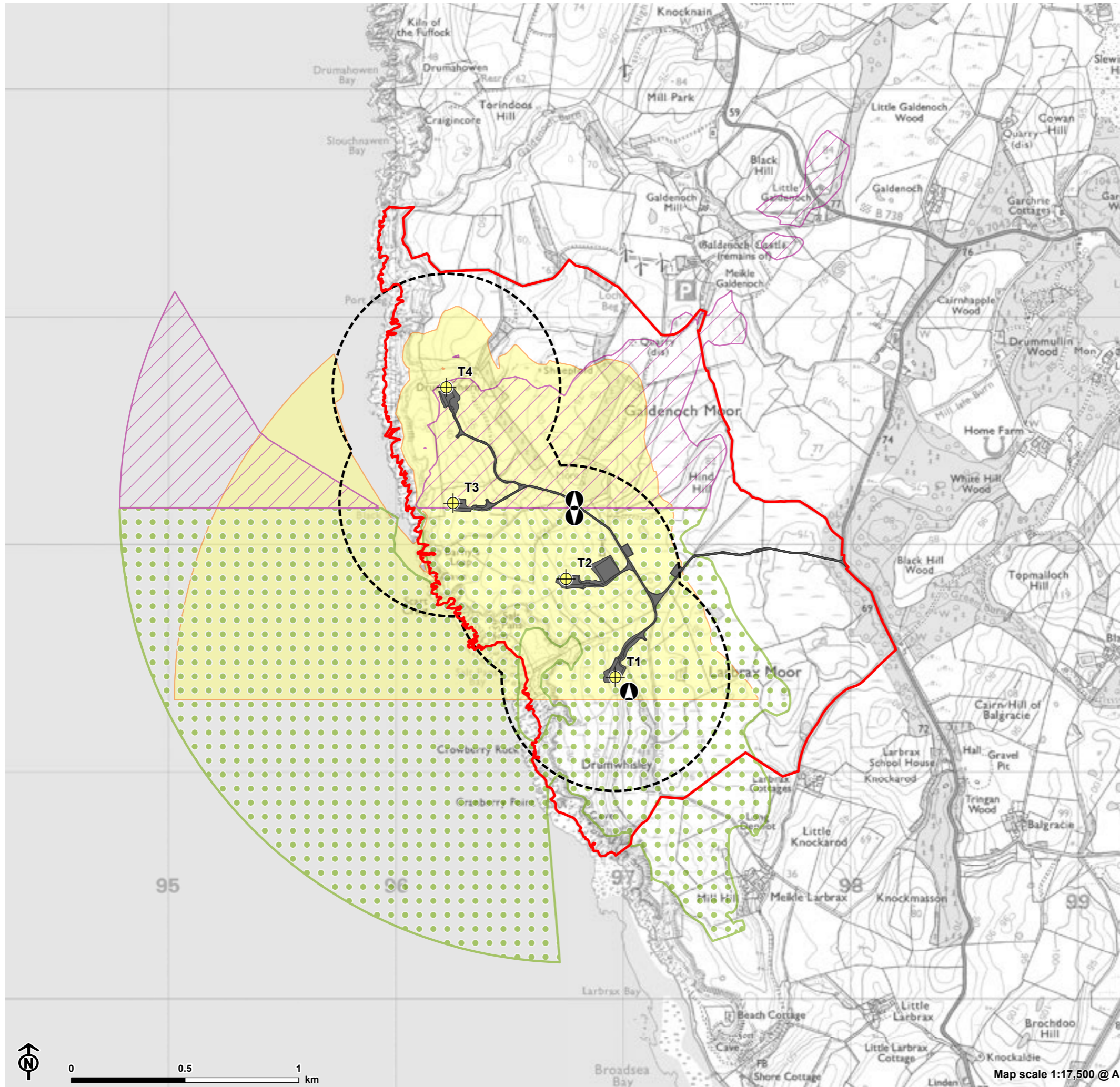


- Site Boundary
- + Turbine
- Infrastructure
- Collision Risk Analysis Area (CRAA)
- Vantage Points and Viewsheds**
- Vantage Point (VP)
- Visible area from VP1
- Visible area from VP2
- Visible area from VP3

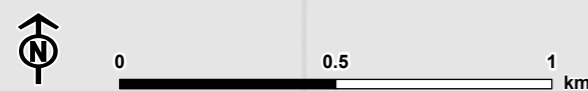


Map scale 1:17,500 @ A3

Figure 8.4: Vantage Points and Viewsheds: 2013 Breeding Season

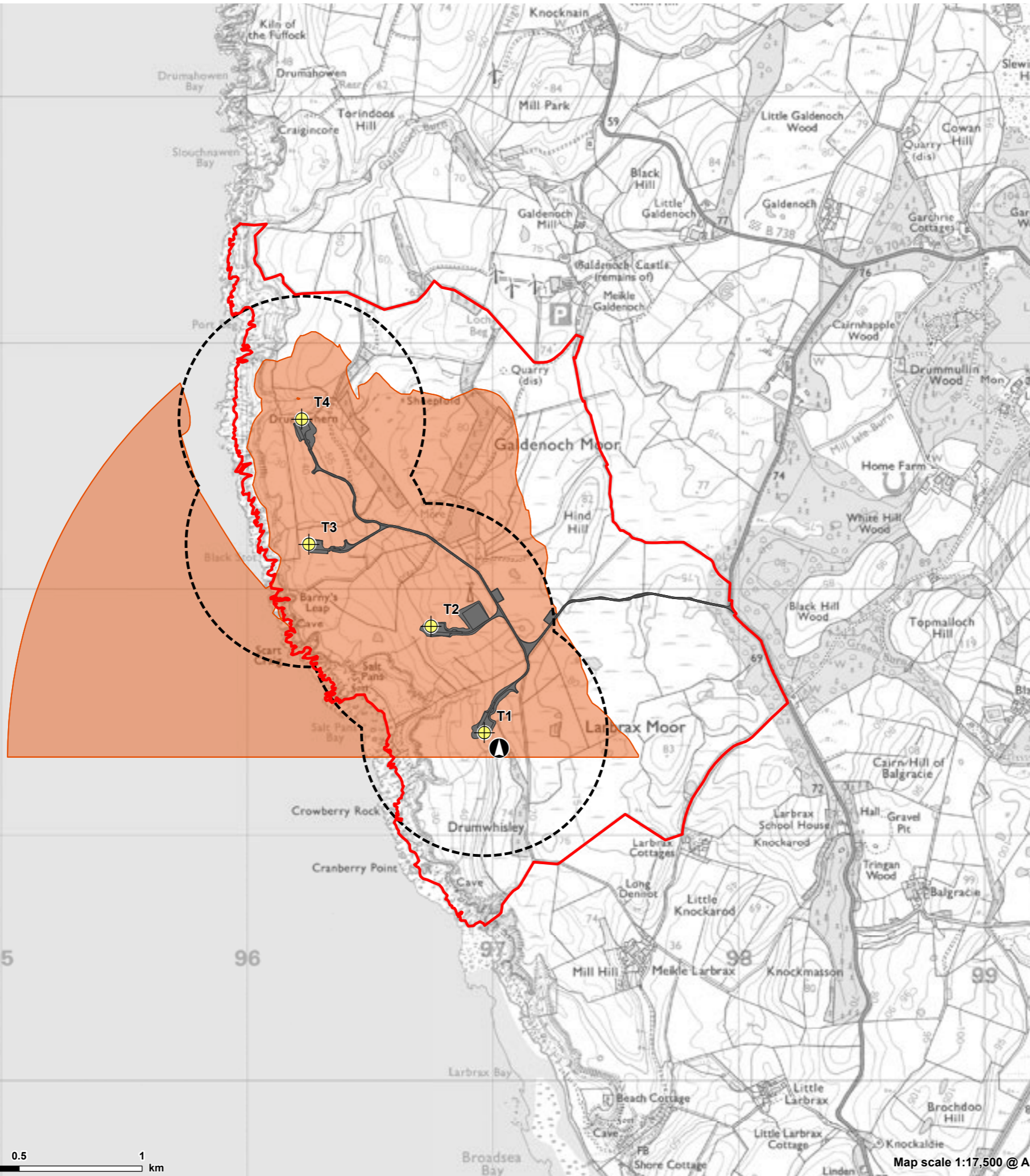


- Site Boundary
- + Turbine
- Infrastructure
- Collision Risk Analysis Area (CRAA)
- Vantage Points and Viewsheds**
- ▲ Vantage Point (VP)
- Visible area from VP1a
- Visible area from VP2a
- Visible area from VP3a

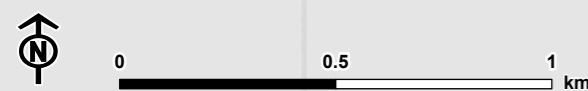


Map scale 1:17,500 @ A3

Figure 8.5: Vantage Points and Viewsheds: 2021 Breeding Season

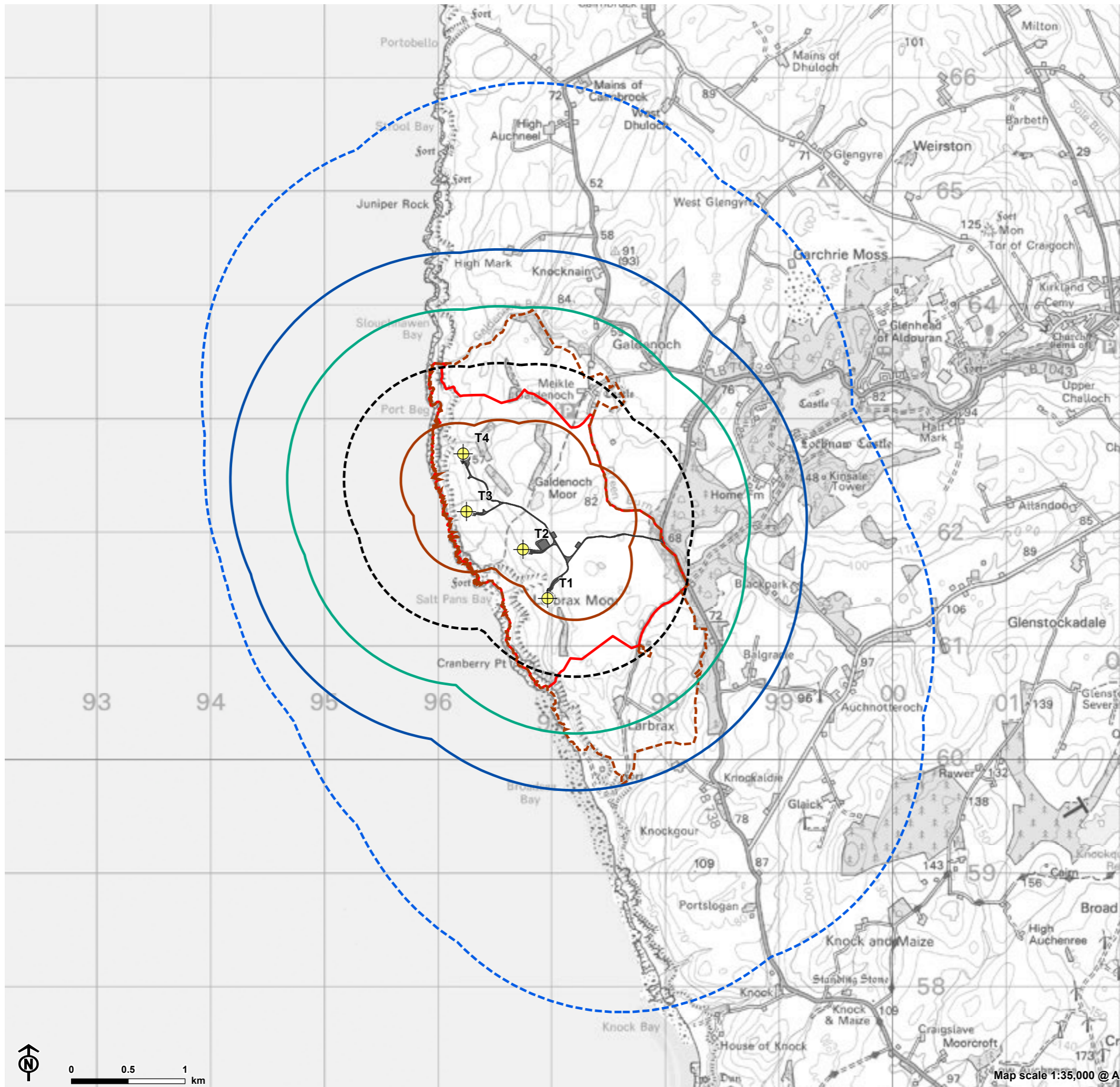


- Site Boundary
- + Turbine
- Infrastructure
- Collision Risk Analysis Area (CRAA)
- Vantage Points and Viewsheds**
- ▲ Vantage Point (VP)
- Visible area from VP3a

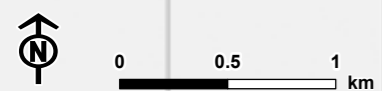


Map scale 1:17,500 @ A3

Figure 8.6: Survey Areas

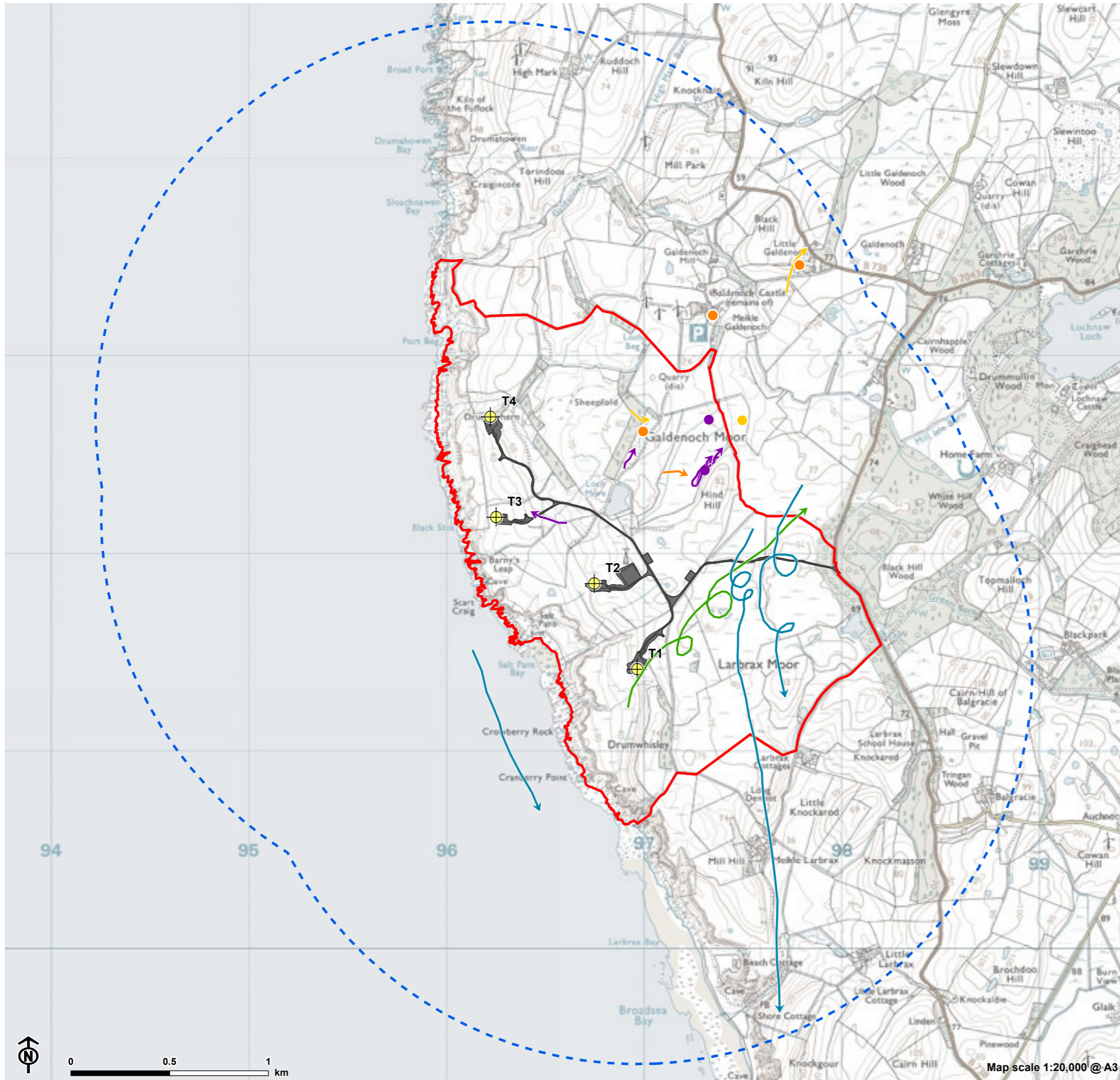


- Site Boundary
- ⊕ Turbine
- Infrastructure
- Ornithology Survey Areas**
- 2012 Breeding Wader Survey Area
- 2012/2013 Winter Walkover Survey Area (1 km)
- 2013 Scarce Breeding Bird Survey Area (2 km)
- 2021 Breeding Wader Survey Area (500 m)
- 2021 Black Grouse Survey Area (1.5 km)
- 2021 Scarce Breeding Bird Survey Area (2 km)



Map scale 1:35,000 @ A3

Figure 8.7: Raptor and Owl Activity: 2012, 2012/2013, 2013 and 2021



- Site Boundary
- Turbine
- Infrastructure

- Study Area**
- Scarce breeding bird

2012/2013 Non-Breeding Season

- Barn owl
- Short-eared owl
- Barn owl
- Short-eared owl

2013 Breeding Season

- Barn owl
- Barn owl

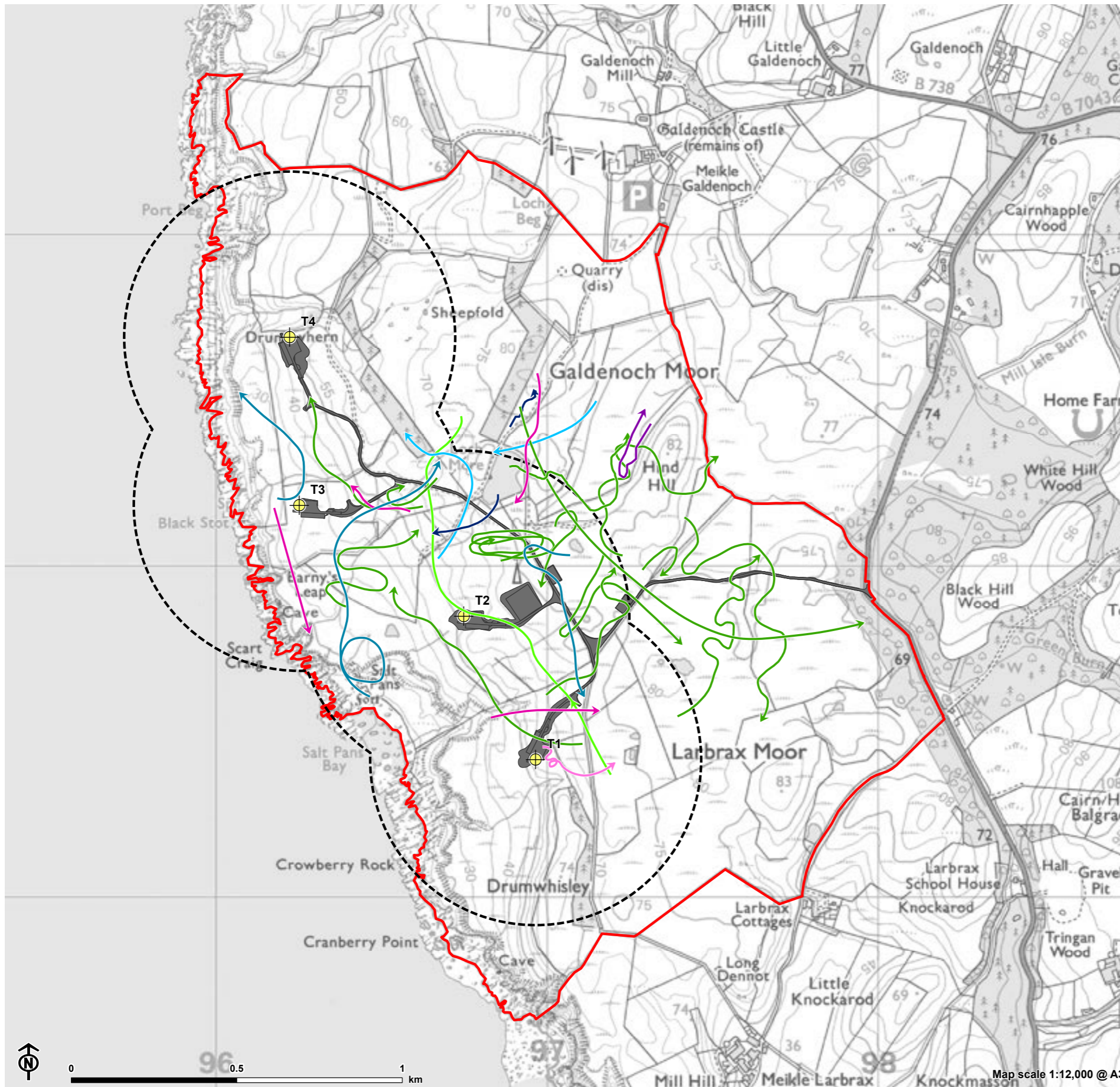
2021 Breeding Season

- Hen harrier
- Peregrine falcon



Map scale 1:20,000 @ A3

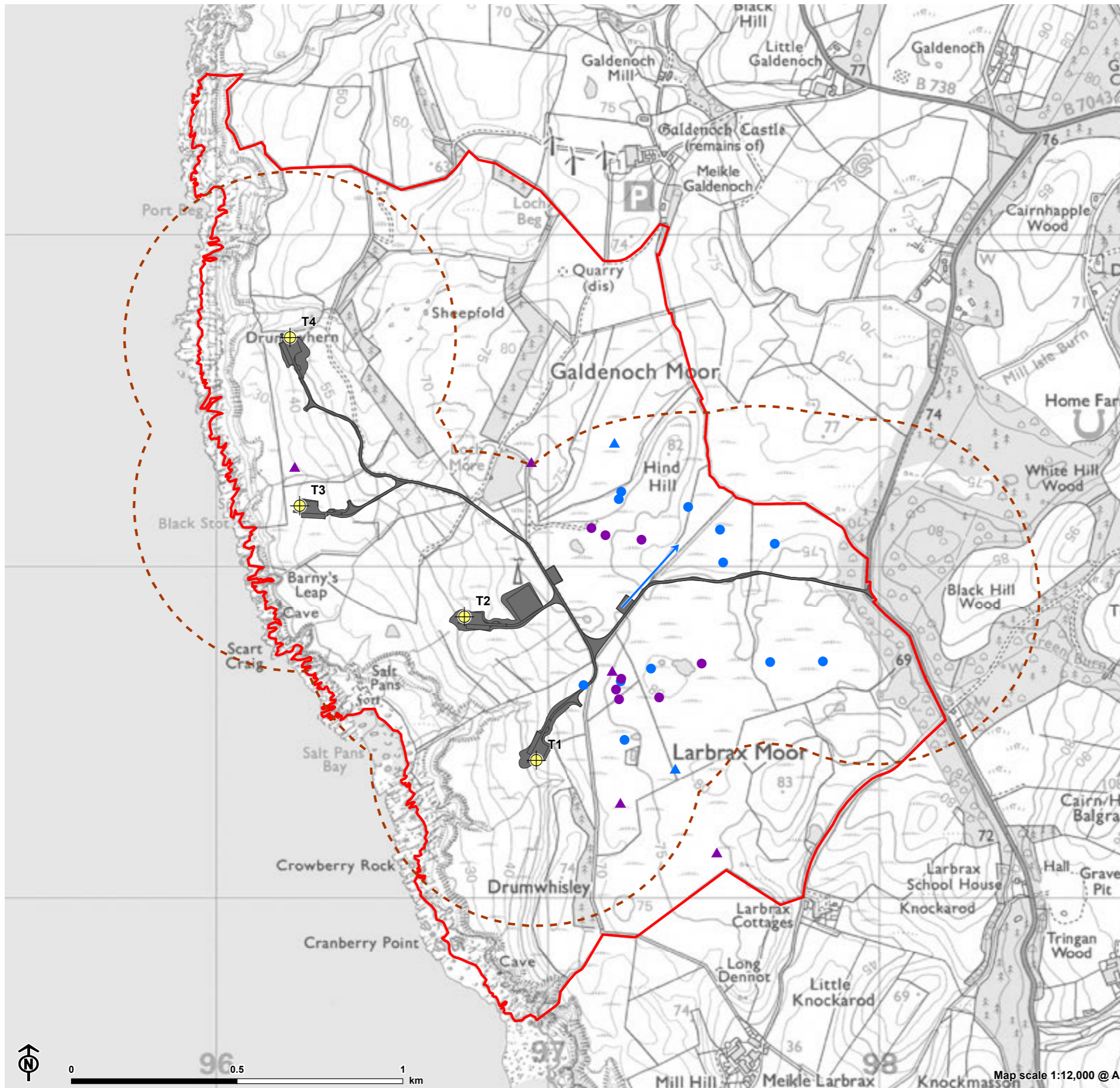
Figure 8.8: Flight Activity: Barn Owl, Hen Harrier, Merlin, Peregrine Falcon and Short-Eared Owl



- Site Boundary
- Turbine
- Infrastructure
- Collision Risk Analysis Area (CRAA)
- 2012/2013 Non-Breeding Season**
- Barn owl
- Hen harrier
- Merlin
- Peregrine falcon
- Short-eared owl
- 2013 Breeding Season**
- Hen harrier
- Merlin
- Peregrine falcon



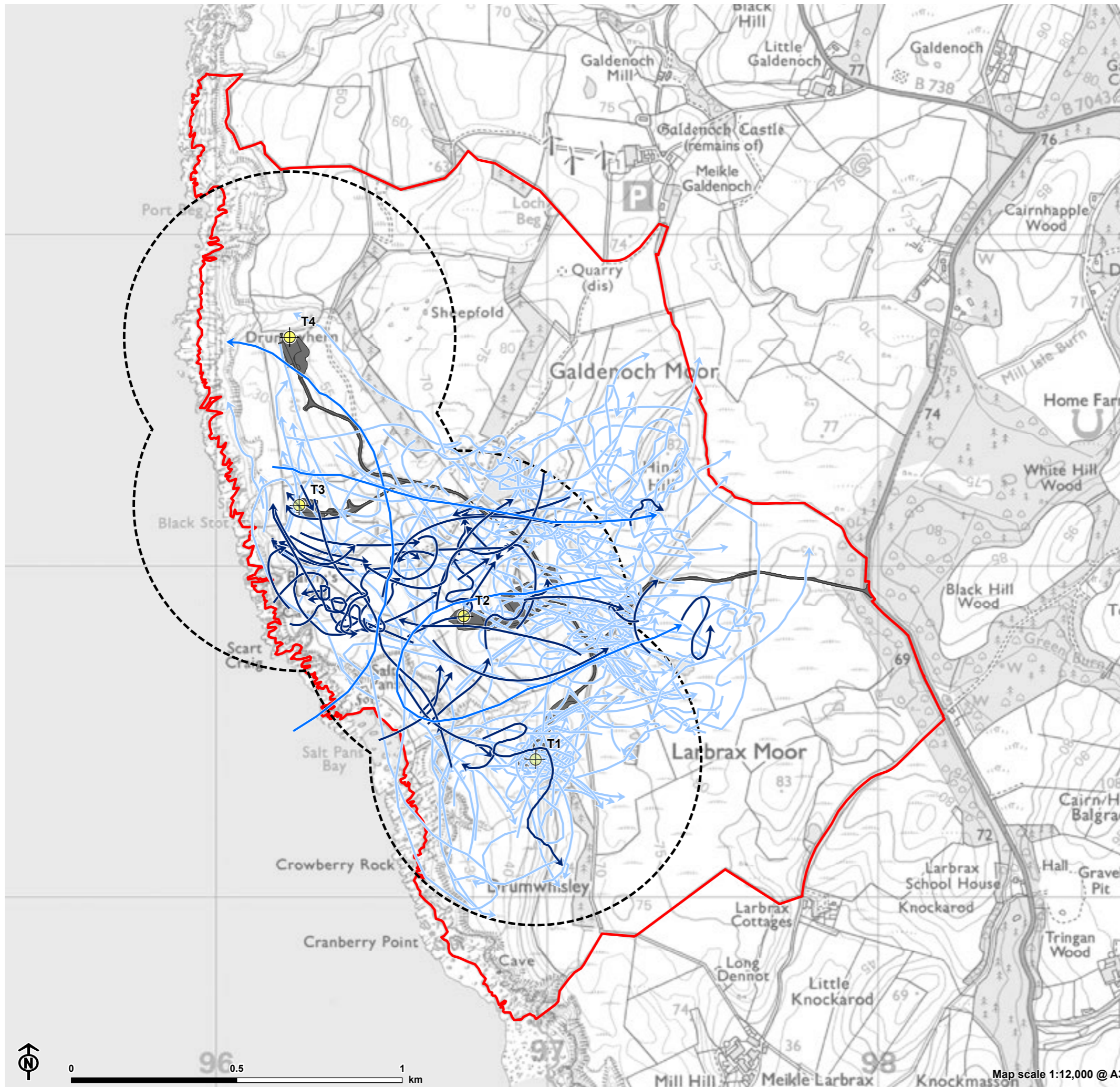
Figure 8.9: Breeding Wader Activity: 2012 and 2021



- Site Boundary
- + Turbine
- Infrastructure
- Study Area**
- Breeding waders/wintering bird
- Collision Risk Analysis Area (CRAA)
- 2012 Breeding Season**
- ▲ Curlew (breeding territory)
- ▲ Lapwing (breeding territory)
- 2021 Breeding Season**
- Curlew (breeding observation)
- Lapwing (breeding observation)
- Curlew (breeding observation)



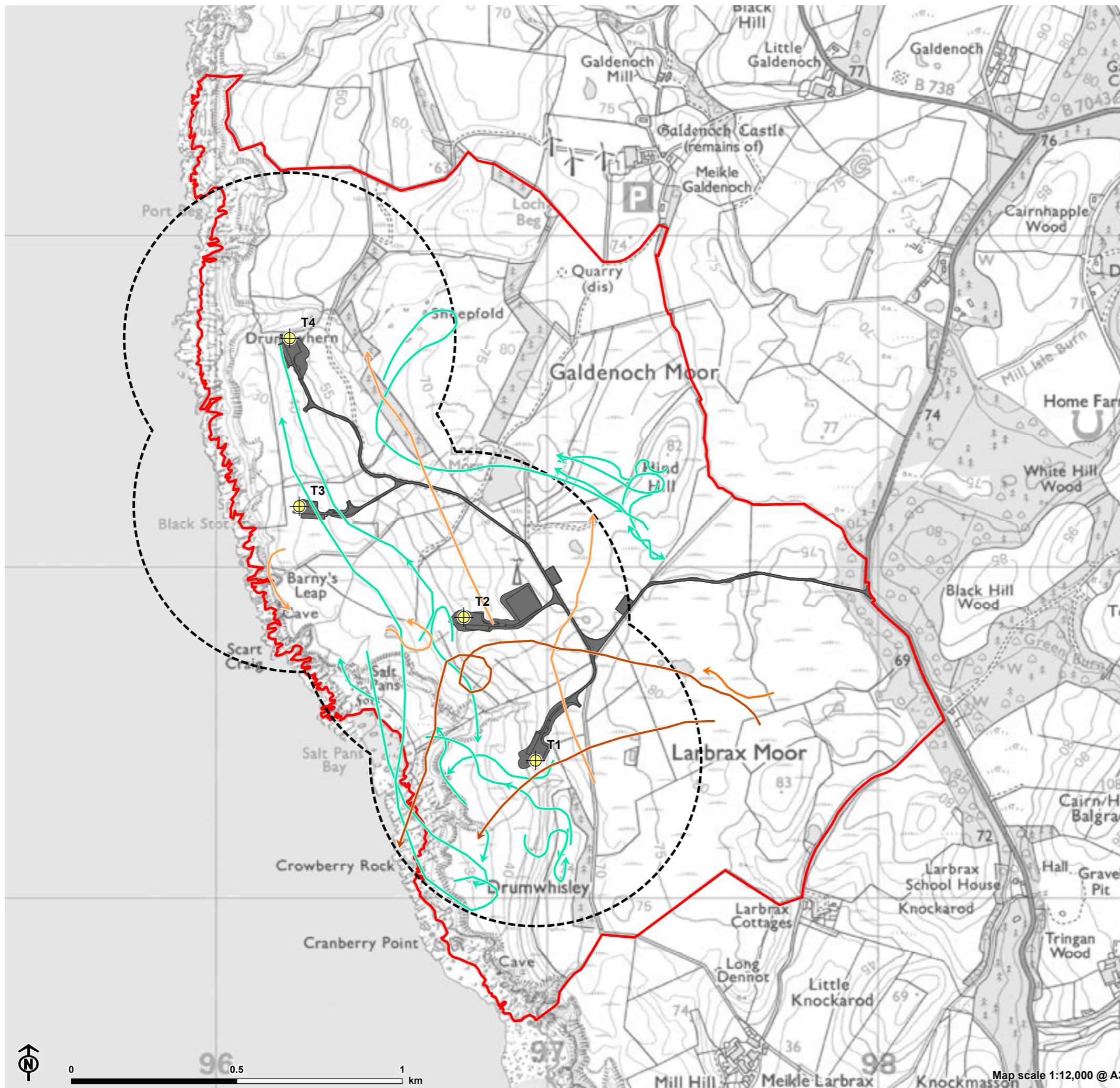
Figure 8.10: Flight Activity: Curlew



- Site Boundary
 - Turbine
 - Infrastructure
 - Collision Risk Analysis Area (CRAA)
- Curlew Flight Activity**
- 2012/2013 Non-breeding Season
 - 2013 Breeding Season
 - 2021 Breeding Season



Figure 8.11: Flight Activity: Golden Plover and Whimbrel



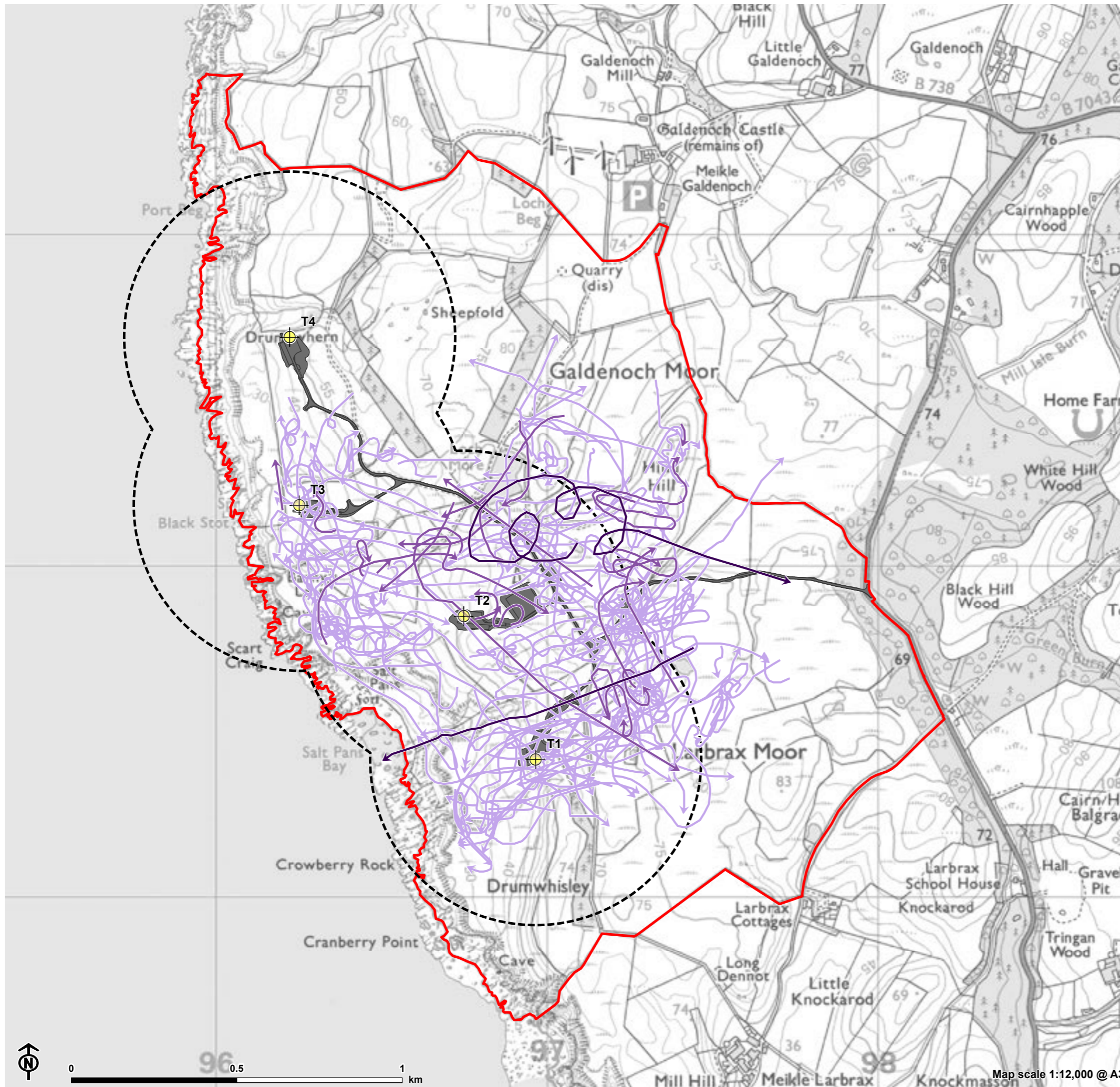
- Site Boundary
- Turbine
- Infrastructure
- Collision Risk Analysis Area (CRAA)
- Golden Plover Flight Activity**
- 2012/2013 Non-breeding Season
- 2013 Breeding Season
- 2021 Breeding Season
- Whimbrel Flight Activity**
- 2013 Breeding Season



0 0.5 1 km

Map scale 1:12,000 @ A3

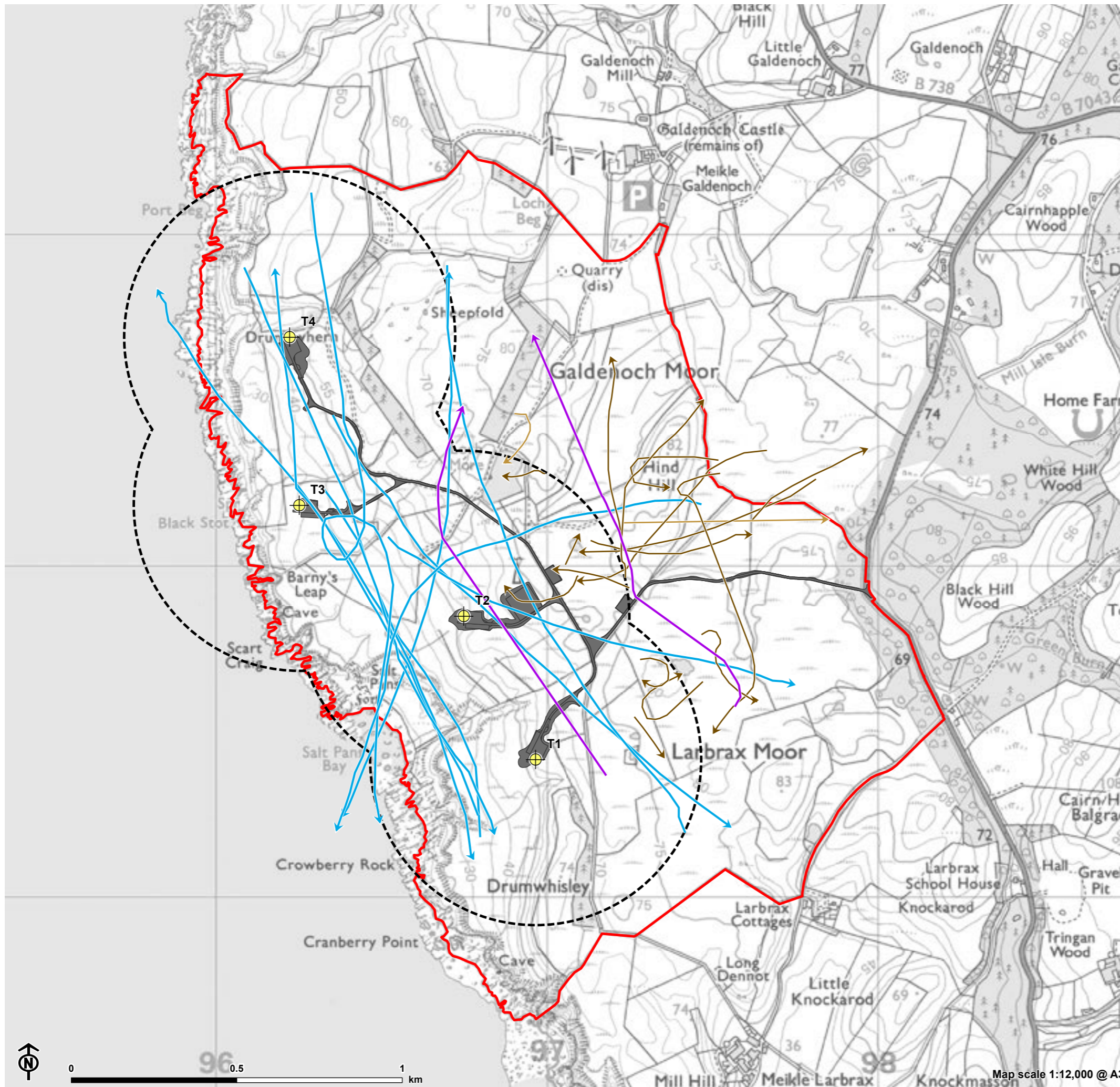
Figure 8.12: Flight Activity: Lapwing



- Site Boundary
- Turbine
- Infrastructure
- Collision Risk Analysis Area (CRAA)
- Lapwing Flight Activity**
- 2012/2013 Non-breeding Season
- 2013 Breeding Season
- 2021 Breeding Season



Figure 8.13: Flight Activity: Greylag Goose, Herring Gull and Whooper Swan



- Site Boundary
- + Turbine
- Infrastructure
- Collision Risk Analysis Area (CRAA)
- Greylag Goose Flight Activity**
 - 2012/2013 Non-breeding Season
 - 2013 Breeding Season
- Herring Gull Flight Activity**
 - 2021 Breeding Season
- Whooper Swan Flight Activity**
 - 2012/2013 Non-breeding Season

